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Topic

Advanced CAM Planning with Siemens NX and GenAI - an Example for DED

Computer-Aided Manufacturing (CAM) planning is crucial for manufacturing complex parts through Direct Energy Deposition (DED). However, users often encounter difficulties in effectively designing toolpaths. In this talk, we present a real-world example demonstrating how advanced CAM strategies within Siemens NX can generate toolpaths for intricate geometries. Additionally, we explore the potential of generative AI techniques to further enhance DED CAM planning.

About the Speaker

Henrik Gerdes is a PhD candidate at Siemens AG and the Machine Vision and Perception Group at the Technical University of Munich (TUM). His work focuses on automating robot-based shop floor operations, developing digital toolchains for remanufacturing using Wire-Arc Additive Manufacturing (WAAM).